

# Purchase Order Receipt Listing

Friday, July 24, 2015 12:53:05 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO29169 All Receipt Dates All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID/Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO29169	1		M6061T6B0.125X2.5 f 00		7/21/2015	7/24/2015	20.0000	\$2.34	0.0000	0	\$46.70
CAD	No		6061T6 BAR .125 X f 2.50 m132835		12.0000	DCUSER		\$46.70	0.0000	0	
	2		M6061T6B2.000X01. f 250		7/21/2015	7/24/2015	12.0000	\$6.00	0.0000	0	\$72.05
	No		6061-T6 Bar 2.00 x f 1.25 m132835		12.0000	DCUSER		\$72.05	0.0000	0	
	3		M6061T6B0.750X00. f 750		7/21/2015	7/24/2015	12.0000	\$2.34	0.0000	0	\$28.02
	No		6061-T6 Bar .750 x f .750 m132835		12.0000	DCUSER		\$28.02	0.0000	0	
	4		M6061T6B0.500X05. f 000		7/21/2015	7/24/2015	12.0000	\$6.00	0.0000	0	\$72.05
	No		6061-T6 Bar .500 x f 5.00 m132835		12.0000	DCUSER		\$72.05	0.0000	0	
	5		M6061T6B0.187X04. f 000		7/21/2015	7/24/2015	12.0000	\$2.34	0.0000	0	\$28.02
	No		6061-T6 Bar .187 x f 4.00 m132835		12.0000	DCUSER		\$28.02	0.0000	0	
	6		M304S16GA 304/316 Sheet .063 sf m132835		7/21/2015	7/24/2015	192.0000	\$4.00	0.0000	0	\$768.58
	No		M304B0.625X3.000 f 304 BAR .625 X 3.00 f m132835		12.0000	DCUSER		\$768.58	0.0000	0	
	7				7/21/2015	7/24/2015	12.0000	\$20.70	0.0000	0	\$248.35
	No				12.0000	DCUSER		\$248.35	0.0000	0	

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name			VC-COP001	Thyssenkrupp Materials CA Ltd							
PO29169	9		71401-45		7/21/2015	7/24/2015	1.0000	\$0.00	0.0000	0	\$0.00
CAD	No		Procurement Quality Clause m132835		1.0000	DCUSER		\$0.00	0.0000	0	
Total Received Quantity:											
Total Qty to Inspect (PO U/M):											
Total Reject Quantity:											
Total Receipt Value:											
Total Balance Due Quantity:											
273.0000											
0.0000											
0.0000											
\$1,263.77											
0.0000											

## B I L L O F L A D I N G

No: PEC 945330

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 20Jul15 at 14:00 From PFW  
Probill

Via vim delivery  
FOB CONCORD  
Frt PREPAID

Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Ship To: ( 1)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

## B I L L O F L A D I N G

1) Our Order PEC-826522- 1 Your PO # 29169

STAINLESS STEEL FLAT BAR 304-L HRAP

.625" X 3.00" X 144.0000"

Heat Number

263656

Tag No

633240

Quantity

12 FT

PCS

1

Wt LBS

83

2) Our Order PEC-826522- 2 Your PO # 29169

ALUMINUM SHEET 2024 -T3

.0320 Nom X 48.0000" X 144.0000"

B/O

TOTAL:

Tags

1

PCS

1

LBS

83

ADD ON TO 826392 SUR-CHARGE ADDED

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

TOTAL OF 1 BAR GR.W. 83 LBS

Page: 1 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Emile Boucher

15/07/23

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

B I L L O F L A D I N G

No: PEC 945330

Ship Date 20Jul15 at 14:00 From PFW  
Probill

Via vim delivery

FOB CONCORD

Frt PREPAID

Route 0- 0 Manifest

Vhcle Trailer

Slp STAN IVERS (905-532-1350)

Sold To: ( 20115)

DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

B I L L O F L A D I N G

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*

\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*

Page: 2 .... Last

ALUMINUM - ALUMINUM - CUIVRE - PLASTIQUE - ACIER INOX  
IMMIDIUM - BRASS - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVH/CST#14017007001 TQ001 TDS/CST-TVH/HST # 140223934 RT0001

# BILL OF LADING

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 945295  
Ship Date 20Jul15 at 12:13 From PFW  
Probill  
Via VIM TRANSFER  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Ship To: ( 1)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

## BILL OF LADING

1) Our Order PEC-826392- 1 Your PO # 29169

ALUMINUM FLAT BAR 6061-T6511  
.125" x 2.50" X 240.0000"

Heat Number Tag No  
408691-7 435802

Quantity PCS Wt LBS  
20 FT 1 8

MTR

2) Our Order PEC-826392- 2 Your PO # 29169

ALUMINUM FLAT BAR 6061-T6511  
1.250" x 2.00" X 144.0000"

Heat Number Tag No  
103621 2 1-A-1 435364

Quantity PCS Wt LBS  
12 FT 1 36

MTR

3) Our Order PEC-826392- 3 Your PO # 29169

ALUMINUM SQUARE BAR 6061-T6511  
.750" X 144.0000"

Heat Number Tag No  
41743-1 435365

Quantity PCS Wt LBS  
12 FT 1 8

MTR

4) Our Order PEC-826392- 4 Your PO # 29169

ALUMINUM FLAT BAR 6061-T6511  
.50" x 5.00" X 144.0000"

Heat Number Tag No  
Z00136096 435366

Quantity PCS Wt LBS  
12 FT 1 36

MTR

5) Our Order PEC-826392- 5 Your PO # 29169

ALUMINUM FLAT BAR 6061-T6511  
.187" x 4.00" X 144.0000"

SP/5-07-24  
MTR

Page: 1 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Emile

15/07/23

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE



SHIP FROM:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

SHIP TO: ( 1 )  
DART AEROSPACE

B I L L O F L A D I N G  
No: PEC 945295  
Ship Date 20Jul15 at 12:13 From PFW  
Probill  
Via VIM TRANSFER  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115 )  
DART AEROSPACE

B I L L O F L A D I N G

BACK ORDER

6) Our Order PEC-826392- 6 Your PO # 29169  
STAINLESS STEEL SHEET 304-2B  
0600 Nom X 48.0000" X 96.0000"

Heat Number Tag No  
BOA005-AFD 435532

Quantity PCS MTR Wt LBS  
192.00 SFT 6 462

TOTAL: Tags PCS LBS  
5 10 550

Heat Number  
103621 2 1-A-1  
408691-7  
41743-1  
BOA005-AFD  
Z00136096

\*\*\* Chemical Analysis \*\*\*

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

TOTAL 2 BDLs 1 SKID GW 652 LBS

ITEM# 1 - 1 BDL  
ITEM# 2 TO 4 - 1 BDL  
ITEM# 5 - B/O  
ITEM# 6 - 1 SKID

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA

Page: 2 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

Ship To: ( 1 )  
DART AEROSPACE

B I L L O F L A D I N G

No: PEC 945295  
Ship Date 20Jul15 at 12:13 From PFW  
Probill  
Via VIM TRANSFER  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115 )  
DART AEROSPACE

=====

B I L L O F L A D I N G

CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*

\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE

ADDED TO EVERY ORDER.\*\*\*

Page: 3 .... Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

10010001 1017000001 T0001 TPS/GST TVH/HST # 140223934 RT0001

# Acciaierie Valbruna S.p.A.



**CERTIFICATO DI COLLAUDO**  
**ABNAHMEPRUEFZEUGNIS**  
**INSPECTION CERTIFICATE**  
**CERTIFICAT DE RECEPTION**  
**EN 10204 (2004) , 3.1**

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Clienti / Seccatori/Purchaser/Client  
VALBRUNA STAINLESS INC.  
2400 TAYLOR STREET WEST  
46801-FORT WAYNE, IN 46801-US

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**  
Hersteller/Usine producer

Stato di fornitura: Hot rolled Descaled Annealed Hot rolled  
Lieferzustand/Delivery state/Etat de livraison

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione: D-VII 4015168  
Lieferanweisung/Packing list/B.L.

Certificato nr: MEST611782/2014/  
Prüfung/Test/Essai

Conferma ordine nr: E114002087  
Works/Our Order/Ref. nr.

Marchio di Fabbrica:  
Zeichen des Werks/Mark  
Trade mark  
Sigle de l'usine productrice



Punzone del Collaudatore:  
Stempel des Werksachverständigen  
Inspector's stamp/Pointon de l'essayeur



Specifiche:  
Anforderungen / Requirements / Exigences

VSI 0 304/304L A  
AMS 5647 J S30403 A  
ASME SA193 2010 B8 CLASS1 (1)  
ASME SA479 2010 S30400/03 A (4)  
ASTM A262 2010. PRACTICE E  
ASTM A320 2011A B8 CLASS1  
ASTM A479 2013A S30400/03 A  
NACE MR0175 2009 S30400/03 A (7)

AISI 304/304L  
AMS-QQ-S-763 B 304/304L A  
ASME SA276 2010 S30400/03 A (2)  
ASTM A182 2012B S30400/03 A (5)  
ASTM A276 2013 S30400/03 A  
ASTM A370 2012A  
MIL-S-882 B/1 304/304L  
QQ-S-763 F 304/304L A

AMS 5639 H S30400 A  
ASME SA182 2010 S30400/03 A (0)  
ASME SA320 2010 B8 CLASS1 (3)  
ASTM A193 2011A B8 CLASS1  
ASTM A314 2008 S30400/03  
ASTM A473 2001 S30400/03 (5)  
NACE MR0103 2010 S30400/03 A

- (0) SEC.II PT.A 2010 EDITION ADD. 2011a
- (1) SEC.II PT.A 2010 EDITION ADD. 2011a
- (2) SEC.II PT.A 2010 EDITION ADD. 2011a
- (3) SEC.II PT.A 2010 EDITION ADD. 2011a
- (4) For products machined directly from bar refer also
- (5) Chemical analysis only.
- (6) Technical Circular 1:2011 Published 2011-06-14

- (0) For products machined directly from bar refer to ASME SA479.
- (2) SEC.II PT.A 2010 EDITION ADD. 2011a
- (4) SEC.II PT.A 2010 EDITION ADD. 2011a
- (5) to ASTM A479.
- (7) ANSI/NACE MR0175/ISO 15156-3, second edition 2009-10-15

Qualità: 304/304L  
Werkstoff/Grade/Qualité

Marca: AISI  
Markenbezeichnung  
Brand/Qualité

Tolleranza: ASTM A484-11 TABLE 5  
Toleranz/Allowance/Tolerance

Punzonatura: 304/304L  
Kennzeichnung/Marking/Marquage

Pos. nr. Pos. nr. N. de poste	Oggetto Gegenstand Product description Descript. du produit	Dimensioni - In Abmessungen Dimension Dimension	Lunghezza - In Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stücke Pieces Places	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr. Lot nr.
0020	Flat	3,0000 x 0,6250	144 / 154	263656		5.869	330907030

DAS  
14 15/07/29  
9-69

## TEST ALLO STATO DI FORNITURA

Test on delivery condition Prüfung auf Lieferbereitem Produkt test à l'état de fourniture Prueba sobre el material así como entregado

TEST	Proveita/Probedata Specimen/Specimen Lap, diam, Spess. Basis Diam, Dicke Width Diam, Thickness Lap, diam, Spess. mm	Posiz. Sagitta Profil Lineare Exzentrisch 1)	Snervamento Bruchgrenze Yield Stress Limite elastique Rp 0,2%	Snervamento Bruchgrenze Yield Stress Limite elastique Rp 0,2%	Resistenza Zugfestigkeit Tensile strength Resistance à traction Rm K.s.l.	Allungamento Bruchdehnung Elongation Allongement E 4d %	Strizione Bruchdehnung Reduction of area Articles %	RA %	Resilienza Kerbschlagtest Impact Value Resilience	Durezza Härte Hardness Dureté HB
Valori richiesti 1 Anforderungen/Required values Valeurs demandées	min max		30	-	75 115	- 40	- 50	- 50	-	140 235
A	12,5	68	L	47	91	54	69			185

TEST	min	max
A Grain size for ASTM E112		6

1) L=longitudinale/longs, T=transversale/quer, Q=Tangenziale/tangentiel

Mechanical properties according to ASTM A370.

## Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata/Heat Schmelze/Coulée	min - max 0,030	- 1,00	- 2,00	18,00 20,00	- 1,00	- 1,00	8,00 10,50	- 0,040	0,020 0,030	- 0,100	- -	- -	- -
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	N %		
263656	0,025	0,38	1,88	18,45	0,50	0,41	8,24	0,098	0,032	0,024	0,083		

Produced without class I-II Ozone depleting substances.  
Solution heat treated free from continuous carbide network.  
Annealing temperature: 1940°F for 1 h/water.  
Micro and macro etch test: OK  
Intergranular corrosion test per ASTM A262 pract. E: ok.  
Absence of cracks at 20 x magnification after bend test.

Vicenza, 06/05/14 VCO008 (Mod. MCE2)	Il collaudatore di stabilimento / der Werksachverständige / Works Inspector / L'agent d'usine M. Rizzotto	Pagina - 1 di 2
--	--	-----------------

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403987103

CstAr CstOr 268626

Wgt.: 83 LB Date 07/17/2015

*John R. Zambetti*



# Acciaierie Valbruna S.p.A.



**CERTIFICATO DI COLLAUDO**  
**ABNAHMEPRUEFZEUGNIS**  
**INSPECTION CERTIFICATE**  
**CERTIFICAT DE RECEPTION**  
**EN 10204 (2004) , 3.1**

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.  
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Clien  
VALBRUNA STAINLESS INC.  
2400 TAYLOR STREET WEST  
46801-FORT WAYNE, IN 46801-US

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**  
Hersteller/Client/Usine productrice

Stato di fornitura: Hot rolled Descaled Annealed Hot rolled  
Lieferzustand/Delivery state/Etat de livraison

Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste  
Die gestellten Anforderungen sind lt. Anlage erfüllt  
The material has been furnished in accordance with the requirements  
Le matériel a été trouvé conforme aux exigences

Controllo antimescolanza: OK  
Verwechslungsfreiheit: spektralanalytisch durchgeführt  
Antimixing testing performed: OK  
Contrôle antimélange fait r.s.s.

Controllo visivo e dimensionale: soddisfatta le esigenze  
Beobachtung und Ausmessung: ohne Beanstandung  
Visual inspection and dimensional check:satisfactory  
Contrôle visuel et dimensionnel: satisfaisant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination  
We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.  
The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s. 4.3 by TUEV and LLOYD'S  
Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.  
The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 06/05/14  
VCG008  
(Mod. MCE2)

Il collaudatore di stabilimento / der Werkssachverständige / Works Inspector / L' agent d' usine

M. Rizzotto

Pagina - 2 di 2

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403987103

CstAr

CstOr 268626

Wgt.: 83 LB

Date 07/17/2015

John L. Zambetti

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511  
.125" x 2.50" X 240.0000"  
PART NO.

PO/Rel 29169

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-945295-001

17Jul15

Signed by: \_\_\_\_\_

Pg 1/1

### CAN ART

ALUMINUM EXTRUSION INC.

## Material Test Report

Manifest: **286259**

Ship To: ThyssenKrupp Materials NA  
2821 Langstaff Road  
Concord, ON L4K 5C6

Ticket:  
5391569

DAS  
14  
9-89

15/07/29

Our Order: **408691 - 7** Cust P.O.: 261937

Die: **ES05649** Part: 05649-000-240

Alloy Temper: **6061 T6511** Description: **.125 x 2.500**

Print Date: 10/27/14

### Chemical Composition Range

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OtherEach	OtherTotal
Min	0.40		0.15		0.8	0.04				
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15

### Mechanical Properties

Strength ksi

Sample ID	Cast #	Lot #	Test Date	Ultimate Tensile	Yield 2% offset	Elongation 2" gage length
403163	14745101B	A11	10/24/14	43.93	39.23	8.1


Applicable Specifications: **ASTMB221-13** **QQA200/8**

Country of Origin: 85 Parkshore Drive, Brampton, Ontario CANADA L6T 5M1

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Ray Hussain - Tensile Testing

Authorized: \_\_\_\_\_

  
Evan Eng, Quality Assurance Mgr.

# THYSSENKRUPP MATERIALS NA

ALUMINUM FLAT BAR 6061-T6511  
1.250" x 2.00" x 144.0000"  
PART NO.

PO/REL 29169

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-945295-002

17Jul15  
Pg 1/1

## Certificate of Mill Test Results



**Nanshan America**  
**Advanced Aluminum Technologies**  
3600 US Hwy 52 South  
Lafayette, Indiana 47909  
Main Office: (765) 269-4360

## CERTIFIED INSPECTION REPORT FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
103621	2

**MANIFEST NUMBER** 7261  
**SHIP TO** 10038 - B01-ThyssenKrupp Materials NA, Toro  
**CUSTOMER PO** PEC-266429  
**CUSTOMER PART NUMBER** 40-00717

**DATE OF SHIPMENT** 5/6/2015  
**DATE NUMBER** 1426  
**ALLOY** 6061  
**TEMPER** T6511  
**SALES MAN** Scott Ranick  
**DESCRIPTION** Flat Bar 1.250" X 2.000", Stenciled

**Applicable Requirements**  
ASTM B221-14 AMS-QC-A-200/8 (2012-09)  
T6511 also conforms to: T6 ASME SB221 - 1998 sect II

Melted in USA  
Manufactured in USA

### Mechanical Properties

Lot	Alloy	Test No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
103621 21-A-1	6061	15040727	04/29/15	51.1	46.4	19%		

### Chemical Limits

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Each	Total
ALLOY 6061																				
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.05	0.25	0.15	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.15

Density:

Electrical Conductivity:

Thermal Conductivity:

Alloy Constant:

### Chemical Composition

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
1504136	6061	0.67	0.36	0.30	0.06	0.86	0.08	0.01	0.03	0.02	0.01	0.01	0.00							97.60	

**Nanshan America hereby certifies that the material covered by this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds were utilized by Nanshan America in the manufacture of this material.**  
**Material complies with FAR BAA (FAR 52.225-1, Buy American Act-Supplies), DFARS BAA (DFARS 252.225-7001 Buy American Act & Bal of Payments Prog), and FAR TAA (FAR 52.225-5 Trade Agreements)**

Edward Miranick  
Quality Manager

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE  
ALUMINUM SQUARE BAR 6061-T6511  
750" X 144,000"  
PART NO

P.O./Rel 29169

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-945295-003

17Jul15  
Pg 1/1

## Certificate of Mill Test Results

# VITEX

EXTENSION

43 Industrial Park Drive  
P.O. Box 270  
Franklin, NH  
03235-6149  
Tel: (603) 934-5275

## CERTIFICATE OF INSPECTION AND TEST RESULTS

DAS  
14  
150723

SALES ORDER / VITEX LOT  
41743 - 1

BILL TO ThyssenKrupp Materials NA 2821 Langstaff Road Concord, ONT L4K 5C6	MANIFEST NUMBER 70365	DIE NUMBER 900118	DATE OF SHIPMENT 01/09/15	CERTIFICATION Certs Required
SHIP TO ThyssenKrupp Materials NA 2821 Langstaff Road Concord, ONT L4K 5C6	CUSTOMER PO PEC-263117	ALLOY/TEMPER 6061 / T6511	SALESMAN John Topalian	SPECIFICATION ASTM B 221-13
	CUSTOMER PART NUMBER 750" SQ BAR	DESCRIPTION 750" SQ BAR	PIECES SHIPPED 135	SPECIFICATION SAE AMS QQA 200/8 Rev 97
	LENGTH 144.00"	POUNDS SHIPPED 1,089		SPECIFICATION Copy of Mill Chemistry/w orcl

### Mechanical Properties

Test ID	Sample ID	Date	Ult. Tensile ksi	Yield ksi	Elongation %	Hardness
1A11	1	1/7/15	43.20	35.30	17.20	92.00
1A11	2	1/7/15	43.30	35.90	14.80	90.00

### Chemical Composition Limits Per AS&D Latest Rev for Alloy 6061

	SI	Fe	Cu	Mn	Mg	Cr	Zn	Ga	V	Ti	B	Zr
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.05	0.05	0.15	0.05	0.05
ACTUAL CAST INFO	SI	Fe	Cu	Mn	Mg	Cr	Zn	Ga	V	Ti	B	Zr
2BY829	0.58	0.22	0.22	0.05	0.83	0.06	0.01	0.01	0.01	0.01	0.00	0.00
Country of Melt: CANADA												

### Cert Notes:

Products manufactured with a 6061-T6511 temper also meet T6 temper requirements.  
Products manufactured with a 6063-T52 temper also meet T5 temper requirements.  
Yield strength has been determined by the 0.2% offset method.  
Extrusion made in USA.

We hereby certify that the material covered by this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein. The chemical composition limits and mechanical property limits are set forth above. Samples of the material have been found to meet these requirements. Inspection and test results are maintained on file and are available upon request.



*Jean Keyes*

Jean Keyes  
Quality Assurance Manager

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511  
 .50" x 5.00" X 144.0000"  
 PART NO.

PO/Rel 29169

We certify that this is a true copy of the report  
 furnished by the producer of the metal, or data  
 resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-945295-004

17Jul15

Signed by: \_\_\_\_\_

Pg 1/1

**KAISER**  
**ALUMINUM**  
 FABRICATED PRODUCTS

*Best in Class*

### CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM  
 FABRICATED PRODUCTS, LLC  
 5205 KAISER DRIVE  
 KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-267403-3		CUSTOMER PART NUMBER: 676/STK		PRODUCT DESCRIPTION 500 X 5.000 SC RECT BAR	
KAISER ORDER NUMBER: 687786	LINE ITEM: 003	SHIP DATE: 06/02/2015	KAISER LOT NUMBER: Z00136096	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 318.000 LB	QUANTITY: 9.000 PCS	B/L NUMBER: 612125	DIAM/DAF/THKNS:	WIDTH:	LENGTH: 12.000 FT
SHIP TO:  THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO:  THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

### Actual Physical Properties

DAS

14

9-89

15/07/29

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00136096	0001	00C1	46.2	42.0	17.0	RE 96	N/A	N/A
Z00136096	0001	00C2	45.8	41.5	19.6	RE 96	N/A	N/A
Z00136096	0001	00C3	47.2	43.5	16.4	RE 97	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105022	.63	.26	.22	.07	.88	.07	.03	.02	.00	.00	.00	.01	.03

### Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 1998 SECT 7I AMS-QQ-A-200/8 97 (REAF 2012) UNS#A96061  
 (T6511 also conforms to T6-not applicable to other tempers)

### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA  
 MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY  
 OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been  
 inspected and tested and found in conformance with applicable specifications forming a part of the  
 description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on  
 Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

*Aimee L. Macnowski*

Plant Serial: C0179415

Kaiser Order Number: 687786

Line Item: 003



# THYSSENKRUPP MATERIALS NA

STAINLESS STEEL SHEET-304-2B  
0600 Nom X 48.0000" X 96.0000"  
PART NO

PO/Rel 29169

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-945295-006

17Jul15  
Pg 1/1



YUEN CHANG STAINLESS STEEL CO., LTD.

### 檢驗證明書 MILL TEST CERTIFICATE(S)

9-89  
14  
1507329  
MILL TEST CERTIFICATE(S)  
ISSUE DATE: 2015/03/24

高雄市中區中正路235號13F  
13F, No. 235 Junglung 4th Road, Chianjin  
Chi, Kaohsiung, Taiwan  
TEL: 886-7-9655838 FAX: 886-7-9685768  
http://www.yuenchang.com.tw

客戶名稱 Customer: Thyssekrupp Steel Services  
A Division Of Thyssekrupp Materials Na Inc 22355 West Eleven Mile Road Southfield MI 48033 USA

商品描述 Desc. Of Goods: Prime, Cold Rolled Stainless Steel Sheets, Slitted Edge, As Per ASTM A240/A480.

Thyssekrupp Materials NA PO PEC-264559

項目 Item	鋼卷編號 Coil No.	爐號 Heat Number(s)	鋼種 Steel Grade	表面 Finish	產品尺寸 Thickness x Width x Length	淨重 Net Weight (KGS)											
AF009	CAAL0268-14	DNF010-ADG	304	2B	26GA x 48 x 96	1,727											
AF010	CCWR0003-18	AOA004-AAB	304	2B	20GA x 48 x 96	1,102											
AF011	CCWR0003-19	AOA004-AAB	304	2B	20GA x 48 x 96	1,104											
AF003	CATF0015-20	BOA005-AFD	304	2B	16GA x 48 x 96	1,736											
AF001	CATF0015-18	BOA005-AFD	304	2B	16GA x 48 x 120	1,086											
AF002	CATF0015-19	BOA005-AFD	304	2B	16GA x 48 x 120	1,087											
AF008	CCYL0003-54	AOA002-AAD	304	2B	14GA x 48 x 144	901											
AF006	CARS0019-13	BOB006-ABD	304	2B	12GA x 48 x 96	1,073											
化學成分 Chemical Analysis (%)																	
Item	C	Si	Mn	P	S	Cr	Ni	N	Cu	Mo	Others	T.S N/MM2	Y.S(0.2%) N/MM2	Elong (%)	HB	HRB	HV
AF009	0.045	0.480	1.158	0.037	0.0022	18.055	8.010	0.042	0.043			765	300	58.0			83.5
AF010	0.023	0.300	1.380	0.029	0.0112	18.250	8.040	0.071	0.310	0.110		651	294	57.0			160.0
AF011	0.023	0.300	1.380	0.029	0.0112	18.250	8.040	0.071	0.310	0.110		651	294	57.0			160.0
AF003	0.050	0.430	1.110	0.039	0.0010	18.300	8.100	0.040	0.056	0.098		686	281	56.0			83.0
AF001	0.050	0.430	1.110	0.039	0.0010	18.300	8.100	0.040	0.056	0.098		686	281	56.0			83.0
AF002	0.050	0.430	1.110	0.039	0.0010	18.300	8.100	0.040	0.056	0.098		686	281	56.0			83.0
AF008	0.042	0.510	0.980	0.033	0.0020	18.190	8.040	0.058				644	280	54.9			83.5
AF006	0.040	0.440	1.070	0.030	0.0020	18.200	8.000	0.040	0.188	0.040		650	272	56.0			83.5
茲證明本廠所列產品，均依材料標準製造及檢驗，並符合規格之要求。 We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.																	
本產品無輻射污染，並符合要求。The material described above is free from radiation contamination and mercury. 本產品符合EN10204/Type 3.1認證。Inspection certificate in accordance with EN10204/Type 3.1. 本廠所列產品均符合ASTM A240規範要求。All the above products conform to the requirements specified in ASTM A240.																	
We Hereby Certifying The Material To ASTM A240/A480 As Per EN 10204/3.1																	
																QC Manager	
																David Wang	

茲證明本廠所製產品，均依材料規格製造及試驗，並符合規格之要求。  
We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.  
本產品無雜質污染，並且不含汞。The material described above is free from radiation contamination and mercury.  
本證明書符合EN10204/Type 3.1認證。Inspection certificate in accordance with EN10204/Type 3.1.  
本廠所製產品均符合ASTM A240/A480標準。All the above products conform to the requirements specified in ASTM A240.  
We Herely Certifying The Material To ASTM A240/A480 As Per EN 10204 3.1

For and on behalf of  
YUEN CHANG STAINLESS  
STEEL CO., LTD.

Authorized Signatures

David Wang

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 1304 316G

PO / BATCH NO.: 29169/14132835

DATE: 15/07/29

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .063"

QUANTITY RECEIVED: 192 SA

THICKNESS RECEIVED: .060"

QUANTITY INSPECTED: 192 SA

SHEET SIZE ORDERED: 4X8

QUANTITY REJECTED: \_\_\_\_\_

SHEET SIZE RECEIVED: 4X8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
<p>INSPECTED BY: <u>14</u></p> <p>DATE: <u>15/07/29</u></p>	<p>SIGNED OFF BY: _____</p> <p>DATE: _____</p>

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M1606176  
 DATE: 15/07/29

PO / BATCH NO.: 29169/14132835

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 20'  
 QUANTITY INSPECTED: 20'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .125X2.50  
 THICKNESS RECEIVED: .125X2.50  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u> <u>8-09</u> DATE: <u>15/07/29</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606/T6  
 DATE: 15/07/29

PO / BATCH NO.: 29169/M132835

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: 2.00X1.25  
 THICKNESS RECEIVED: 2.00X1.25  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u> <u>9.89</u>	SIGNED OFF BY: _____
DATE: <u>15/07/29</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6  
 DATE: 15/07/29

PO / BATCH NO.: 29169/M132835

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .750 X .750  
 THICKNESS RECEIVED: .750 X .750  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u> DATE: <u>15/07/29</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 16061T6  
DATE: 15/07/29

PO / BATCH NO.: 29169/M132835

MATERIAL CERT REC'D: yes  
QUANTITY RECEIVED: 12'  
QUANTITY INSPECTED: 12'  
QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .500 X 5.00  
THICKNESS RECEIVED: .500 X 5.00  
SHEET SIZE ORDERED: \_\_\_\_\_  
SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u> DATE: <u>15/07/29</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606IT6  
 DATE: 15/07/29

PO / BATCH NO.: 29169/11132835

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .625 X 3.00  
 THICKNESS RECEIVED: .625 X 3.00  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_


DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u> <u>0-89</u> DATE: <u>15/07/29</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



**DART**  
 AEROSPACE

Dart Aerospace Ltd.  
 1270 Aberdeen Street  
 Hawkesbury, ON K6A 1K7  
 Tel: 613 632 9577  
 Fax: 613 632 1053

**PURCHASE ORDER**  
  
**Purchase Order ID PO29169**  
  
**Purchase Order Date 7/16/2015**  
**PO Print Date 7/16/2015**  
  
**Page Number 1 of 4**

**Order From :** VC-COP001  
 THYSSENKRUPP MATERIALS CA LTD  
 O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
 TORONTO, ON M5W 5V8  
 CA

**Ship To :** DART AEROSPACE LTD  
 1270 ABERDEEN  
 HAWKESBURY, ON K6A 1K7  
 CANADA


<b>Contact Name</b>		<b>Buyer</b>	Linda Lacelle
<b>Vendor Phone</b>	905 669 9444	<b>Customer POID</b>	
		<b>Customer Tax #</b>	10127-2607
<b>Ship To Contact</b>		<b>Terms</b>	Net 30
<b>Ship To Phone</b>		<b>Currency</b>	CAD
<b>Ship Via:</b>	VENDOR'S TRUCK	<b>FOB</b>	FCA – (Free Carrier)
<b>Ship Acct:</b>			

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M6061T6B0.125X2.500	6061T6 BAR .125 X 2.50	7/21/2015 Yes 7/21/2015		12.00 f 20 f	\$2.92	\$35.00
	MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221						
						<b>Line Total:</b>	<b>\$35.00</b>
2	M6061T6B2.000X01.250	6061-T6 Bar 2.00 x 1.25	7/21/2015 Yes 7/21/2015		12.00 f	\$7.50	\$90.00
	as above						
						<b>Line Total:</b>	<b>\$90.00</b>
3	M6061T6B0.750X00.750	6061-T6 Bar .750 x .750	7/21/2015 Yes 7/21/2015		12.00 f	\$2.92	\$35.00
	as above						

**Note:**

7/16/2015

2015-07-24



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO29169

Purchase Order Date 7/16/2015

PO Print Date 7/16/2015

Order From :
VC-COP001

Ship To :
DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name
Vendor Phone
Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:


905 669 9444
VENDOR'S TRUCK

Buyer
Customer POID
Customer Tax #
Terms
Currency
FOB

Linda Lacelle
10127-2607
Net 30
CAD
FCA – (Free Carrier)

						Line Total:	\$35.00
4	M6061T6B0.500X05.000	6061-T6 Bar .500 x 5.00	7/21/2015 Yes 7/21/2015	12.00 f		\$7.50	\$90.00
as above							
						Line Total:	\$90.00
5	M6061T6B0.187X04.000	6061-T6 Bar .187 x 4.00	7/21/2015 Yes 7/21/2015	12.00 f		\$2.92	\$35.00
as above							
						Line Total:	\$35.00
6	M304S16GA	304/316 Sheet .063	7/21/2015 Yes 7/21/2015	192.00 sf		\$5.00	\$960.00
MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059/AMS 5513 (304)/AMS 5524 (316)/ASTM A240/ASME SA240							
						Line Total:	\$960.00

Note:



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO29169

Purchase Order Date 7/16/2015

PO Print Date 7/16/2015

Page Number 3 of 4

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA


THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Contact Name		Buyer		Linda Lacelle	
Vendor Phone		Customer POID			
905 669 9444		Customer Tax #		10127-2607	
Ship To Contact		Terms		Net 30	
Ship To Phone		Currency		CAD	
Ship Via:		FOB		FCA – (Free Carrier)	
Ship Acct:					
7	M304B0.625X3.000	304 BAR .625 X 3.00	7/21/2015	12.00	\$25.85
			Yes	f	\$310.20
			7/21/2015		
	MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE				
	Line Total: \$310.20				
8	M2024T3S.032	2024-T3 .032 sheet	7/21/2015	64.00	\$4.84
			Yes	sf	\$309.60
			7/21/2015		
	MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209				
	Line Total: \$309.60				

Note:

7/16/2015





Dart Aerospace Ltd.  
 1270 Aberdeen Street  
 Hawkesbury, ON K6A 1K7  
 Tel: 613 632 9577  
 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO29169

Purchase Order Date 7/16/2015

PO Print Date 7/16/2015

Page Number 4 of 4

Order From :

VC-COP001

THYSENKRUPP MATERIALS CA LTD  
 O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
 TORONTO, ON M5W 5V8  
 CA

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
 HAWKESBURY, ON K6A 1K7  
 CANADA

Contact Name

Vendor Phone

905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

VENDOR'S TRUCK

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Linda Lacelle

10127-2607

Net 30

CAD

FCA – (Free Carrier)

Procurement Quality Clause

7/21/2015

No

7/21/2015

9

71401-45

1.00

✓

\$0.00

\$0.00

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

SP15-07-24

Line Total:

\$0.00

PO Total:

\$1,864.80

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.